

Lan Du

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11252995/publications.pdf>

Version: 2024-02-01

60
papers

1,604
citations

331670

21
h-index

302126

39
g-index

60
all docs

60
docs citations

60
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Radar HRRP target recognition based on higher order spectra. IEEE Transactions on Signal Processing, 2005, 53, 2359-2368.	5.3	189
2	A two-distribution compounded statistical model for Radar HRRP target recognition. IEEE Transactions on Signal Processing, 2006, 54, 2226-2238.	5.3	129
3	Radar HRRP Statistical Recognition: Parametric Model and Model Selection. IEEE Transactions on Signal Processing, 2008, 56, 1931-1944.	5.3	123
4	Bayesian Spatiotemporal Multitask Learning for Radar HRRP Target Recognition. IEEE Transactions on Signal Processing, 2011, 59, 3182-3196.	5.3	108
5	Noise Robust Radar HRRP Target Recognition Based on Multitask Factor Analysis With Small Training Data Size. IEEE Transactions on Signal Processing, 2012, 60, 3546-3559.	5.3	99
6	Micro-Doppler Feature Extraction Based on Time-Frequency Spectrogram for Ground Moving Targets Classification With Low-Resolution Radar. IEEE Sensors Journal, 2016, 16, 3756-3763.	4.7	88
7	Noise Robust Radar HRRP Target Recognition Based on Scatterer Matching Algorithm. IEEE Sensors Journal, 2016, 16, 1743-1753.	4.7	69
8	SAR Automatic Target Recognition Based on Dictionary Learning and Joint Dynamic Sparse Representation. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1777-1781.	3.1	60
9	Multiscale CNN Based on Component Analysis for SAR ATR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	55
10	Semi-Supervised SAR Target Detection Based on an Improved Faster R-CNN. Remote Sensing, 2022, 14, 143.	4.0	55
11	Label constrained convolutional factor analysis for classification with limited training samples. Information Sciences, 2021, 544, 372-394.	6.9	47
12	Robust Classification Scheme for Airplane Targets With Low Resolution Radar Based on EMD-CLEAN Feature Extraction Method. IEEE Sensors Journal, 2013, 13, 4648-4662.	4.7	45
13	Noise-Robust Classification of Ground Moving Targets Based on Time-Frequency Feature From Micro-Doppler Signature. IEEE Sensors Journal, 2014, 14, 2672-2682.	4.7	43
14	Radar high-resolution range profiles target recognition based on stable dictionary learning. IET Radar, Sonar and Navigation, 2016, 10, 228-237.	1.8	43
15	Radar HRRP statistical recognition based on hypersphere model. Signal Processing, 2008, 88, 1176-1190.	3.7	30
16	Target classification with low-resolution radar based on dispersion situations of eigenvalue spectra. Science China Information Sciences, 2010, 53, 1446-1460.	4.3	29
17	Noise-Robust Modification Method for Gaussian-Based Models With Application to Radar HRRP Recognition. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 558-562.	3.1	29
18	Noise Reduction Method Based on Principal Component Analysis With Beta Process for Micro-Doppler Radar Signatures. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4028-4040.	4.9	25

#	ARTICLE	IF	CITATIONS
19	Robust statistical recognition and reconstruction scheme based on hierarchical Bayesian learning of HRR radar target signal. Expert Systems With Applications, 2015, 42, 5860-5873.	7.6	24
20	Compressive Sensing of Stepped-Frequency Radar Based on Transfer Learning. IEEE Transactions on Signal Processing, 2015, 63, 3076-3087.	5.3	23
21	Multi-task hidden Markov modeling of spectrogram feature from radar high-resolution range profiles. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	21
22	Target Detection Based on Dual-Domain Sparse Reconstruction Saliency in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4230-4243.	4.9	19
23	Target-attentional CNN for Radar Automatic Target Recognition with HRRP. Signal Processing, 2022, 196, 108497.	3.7	19
24	Max-margin multi-scale convolutional factor analysis model with application to image classification. Expert Systems With Applications, 2019, 133, 21-33.	7.6	17
25	Radar HRRP statistical recognition with temporal factor analysis by automatic Bayesian Ying-Yang harmony learning. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 300-317.	0.6	16
26	Convolutional factor analysis model with application to radar automatic target recognition. Pattern Recognition, 2019, 87, 140-156.	8.1	16
27	Statistical Modeling With Label Constraint for Radar Target Recognition. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1026-1044.	4.7	16
28	Point-wise discriminative auto-encoder with application on robust radar automatic target recognition. Signal Processing, 2020, 169, 107385.	3.7	16
29	Two-Stream Deep Fusion Network Based on VAE and CNN for Synthetic Aperture Radar Target Recognition. Remote Sensing, 2021, 13, 4021.	4.0	16
30	Instantaneous Frequency Estimation Based on Modified Kalman Filter for Cone-Shaped Target. Remote Sensing, 2020, 12, 2766.	4.0	13
31	Radar HRRP target recognition in frequency domain based on autoregressive model. , 2011, , .		12
32	Class factorized complex variational auto-encoder for HRR radar target recognition. Signal Processing, 2021, 182, 107932.	3.7	12
33	Radar HRRP automatic target recognition: Algorithms and applications. , 2011, , .		11
34	A Novel SAR Target Recognition Method Combining Electromagnetic Scattering Information and GCN. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
35	Radar HRRP target recognition based on robust dictionary learning with small training data size. , 2013, , .		9
36	Radar Automatic Target Recognition Based on Complex High-Resolution Range Profiles. , 2006, , .		7

#	ARTICLE	IF	CITATIONS
37	Using the Amplitude Fluctuation Property of Target HRRP for Radar Automatic Target Recognition. , 2006, , .		7
38	Radar automatic target recognition based on feature extraction for complex HRRP. Science in China Series F: Information Sciences, 2008, 51, 1138-1153.	1.1	7
39	Robust radar automatic target recognition algorithm based on HRRP signature. Frontiers of Electrical and Electronic Engineering, 2012, 7, 49-55.	0.5	7
40	Discriminative Mixture Variational Autoencoder for Semisupervised Classification. IEEE Transactions on Cybernetics, 2022, 52, 3032-3046.	9.5	6
41	HRRP Clutter Rejection Via One-Class Classifier With Hausdorff Distance. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2517-2526.	4.7	6
42	Radar HRRP target recognition based on dynamic multi-task hidden Markov model. , 2011, , .		5
43	A new feature extraction method using the amplitude fluctuation property of target HRRP for radar automatic target recognition. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2006, 1, 171-176.	0.6	4
44	New method for radar HRRP recognition and rejection based on weighted majority voting combination of multiple classifiers. , 2011, , .		3
45	A noise-robust radar target classification method based on complex probabilistic principal component analysis. , 2014, , .		3
46	Noise-robust radar HRR target recognition based on complex Gaussian statistical models. , 2016, , .		3
47	A Bayesian denoising method for complex radar signal with application to classification of human individuals. , 2015, , .		2
48	Similarity preserving multi-task learning for radar target recognition. Information Sciences, 2018, 436-437, 388-402.	6.9	2
49	Class Factorized Variational Auto-encoder for Radar HRRP Target Recognition. , 2020, , .		2
50	Bayesian Classifier for Sparsity-Promoting Feature Selection. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550022.	1.2	1
51	Online Factor Analysis Model With Kullback-Leibler Constraint for Satellite Target Recognition. IEEE Sensors Journal, 2021, 21, 15142-15152.	4.7	1
52	A Novel Feature Vector Using Complex HRRP for Radar Target Recognition. Lecture Notes in Computer Science, 2007, , 1303-1309.	1.3	1
53	Interpretable Deep Probabilistic Model for HRR Radar Signal and its Application to Target Recognition. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 775-790.	10.8	1
54	Multitask factor analysis with application to noise robust radar HRRP target recognition. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Noise robust radar HRR target recognition based on Bayesian sparse learning. , 2013, , .		0
56	Solving multi-class problems by data-driven topology-preserving output codes. Neurocomputing, 2013, 121, 556-568.	5.9	0
57	Radar Signal Parameter Estimation with Sparse Bayesian Representation Based on Zoom-Dictionary. , 2014, , .		0
58	Noise robust recognition method based on scatterer pattern for radar HRRP data. , 2016, , .		0
59	Sparse Bayesian multitask learning for radar target recognition. , 2016, , .		0
60	Hierarchical Sparse Reconstruction Based Multi-feature Saliency for Target Detection in SAR Images. , 2019, , .		0